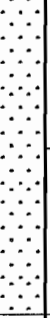


DRILLING LOG		DIVISION South Atlantic	INSTALLATION Jacksonville District		SHEET 1 OF 2 SHEETS
1. PROJECT Duval County FL BEC Borrow Area A			9. SIZE AND TYPE OF BIT See Remarks		
2. BORING DESIGNATION CB-DUC04-22		LOCATION COORDINATES X = 417,346 Y = 2,184,264		10. COORDINATE SYSTEM/DATUM State Plane, FLE (U.S. Ft.)	
3. DRILLING AGENCY Alpine Ocean Seismic Survey, Inc.		CONTRACTOR FILE NO.		11. MANUFACTURER'S DESIGNATION OF DRILL Vibrocure	
4. NAME OF DRILLER James F. Cole		12. TOTAL SAMPLES		13. TOTAL NUMBER CORE BOXES	
5. DIRECTION OF BORING <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED		DEG. FROM VERTICAL		14. ELEVATION GROUND WATER Tidal	
6. THICKNESS OF OVERBURDEN N/A		15. DATE BORING		16. ELEVATION TOP OF BORING -48.2 Ft.	
7. DEPTH DRILLED INTO ROCK N/A		17. TOTAL RECOVERY FOR BORING 100 %		18. SIGNATURE AND TITLE OF INSPECTOR William H. Brenner, Geologist <i>William H. Brenner</i>	
8. TOTAL DEPTH OF BORING 19.2 Ft.					

ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/1 FT.	N-VALUE
-48.2	0.0		SAND, poorly-graded, mostly subrounded fine-grained sand-sized quartz, some subrounded fine-grained sand-sized carbonate, trace silt, trace angular coarse-grained sand-sized shell up to 1", weak reaction with HCl, wet, 2" clay lense at 4.5', 5B 6/1 bluish gray (SP)	100			-48.2		
				100	1		-49.7		
							-50.7		
				100					
-53.7	5.5								
-54.2	6.0		SHELL, mostly angular medium to coarse-grained sand-sized shell up to 1-1/2", few subangular fine-grained sand-sized quartz, strong reaction with HCl, 5B 6/1 bluish gray	100	2		-54.7		
			SAND, poorly-graded, mostly subrounded fine-grained sand-sized quartz, some subrounded fine-grained sand-sized carbonate, trace silt, trace angular coarse-grained sand-sized shell up to 1", weak reaction with HCl, wet, 5B 6/1 bluish gray (SP)	100			-55.7		
				100					
				100	3		-59.7		
							-60.7		
				100					

DRILLING LOG (Cont. Sheet)				INSTALLATION Jacksonville District			SHEET 2 OF 2 SHEETS																	
PROJECT Duval County FL BEC				COORDINATE SYSTEM/DATUM State Plane, FLE (U.S. Ft.)		HORIZONTAL NAD27	VERTICAL MLLW																	
LOCATION COORDINATES X = 417,346 Y = 2,184,264				ELEVATION TOP OF BORING -48.2 Ft.																				
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	ROD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE															
-67.4	19.2		At El. -65.2 Ft., trace silt, occasional layers of clay up to 1"	100	4		Vibracore	-64.2																
	100			Vibracore			-65.2																	
	100			Vibracore			-67.4																	
NOTES: 1. Soils are field visually classified in accordance with the Unified Soils Classification System. 2. Laboratory Testing Results <table border="1"> <thead> <tr> <th>SAMPLE ID</th> <th>SAMPLE DEPTH</th> <th>LABORATORY CLASSIFICATION</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1.5/2.5</td> <td>SP*</td> </tr> <tr> <td>2</td> <td>6.5/7.5</td> <td>SP*</td> </tr> <tr> <td>3</td> <td>11.5/12.5</td> <td>SP*</td> </tr> <tr> <td>4</td> <td>16.0/17.0</td> <td>SP*</td> </tr> </tbody> </table> *Lab visual classification based on gradation curve. No Atterberg limits. 3. Additional Laboratory Testing 1 Specific Gravity										SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION	1	1.5/2.5	SP*	2	6.5/7.5	SP*	3	11.5/12.5	SP*	4	16.0/17.0	SP*
SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION																						
1	1.5/2.5	SP*																						
2	6.5/7.5	SP*																						
3	11.5/12.5	SP*																						
4	16.0/17.0	SP*																						